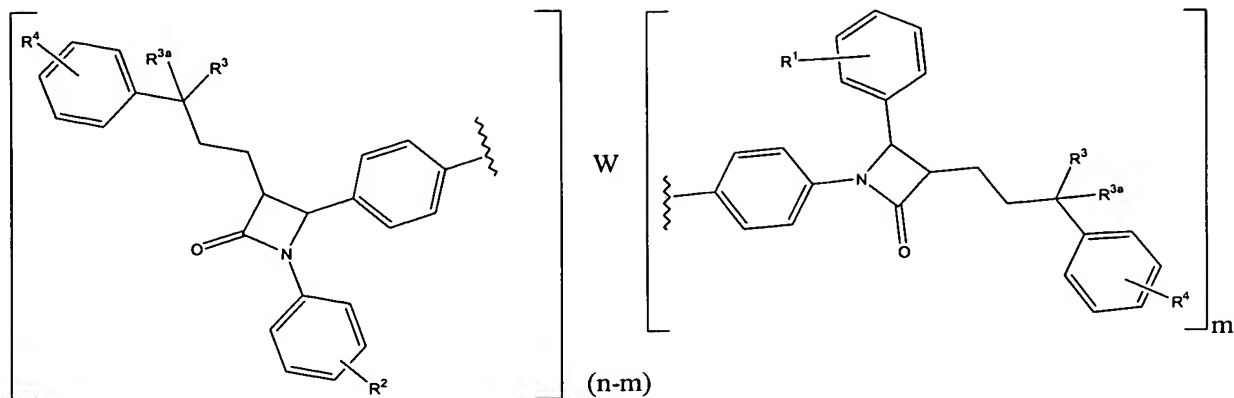


Claims:

1. A compound of formula



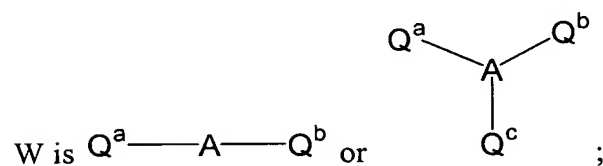
wherein

R^1 and R^2 are chosen from H, halogen, -OH, loweralkyl, -O-loweralkyl, -CN, -S-loweralkyl, amino, lower alkylamino, alkylsulfonyl, arylsulfonyl, acyl, a sugar, a glucuronide and a sugar carbamate;

R^3 is chosen from H, -OH, fluoro and -O-loweralkyl;

R^{3a} is chosen from H and fluoro, or R^{3a} and R^3 together are =O;

R^4 is chosen from H, halogen, -OH, loweralkyl, -O-loweralkyl, -CN, -S-loweralkyl, amino, lower alkylamino, alkylsulfonyl, arylsulfonyl and acyl;



Q^a , Q^b and Q^c are independently chosen from a direct bond, -O-, -S-, -NH-, -CH₂O-, -CH₂NH-, -OCH₂CONH-, -OCH₂COO-, -C(=O)-, -CONH-, -NHCO-, -O(C=O)-,

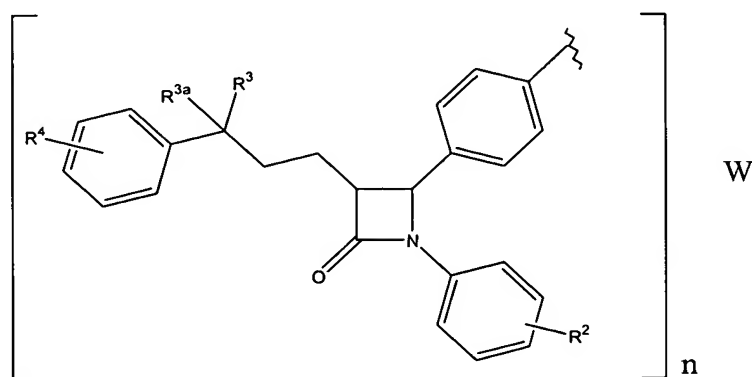
-(C=O)O-, -NHCONH-, -OCONH- and -NHCOO-;

n is 2 or 3;

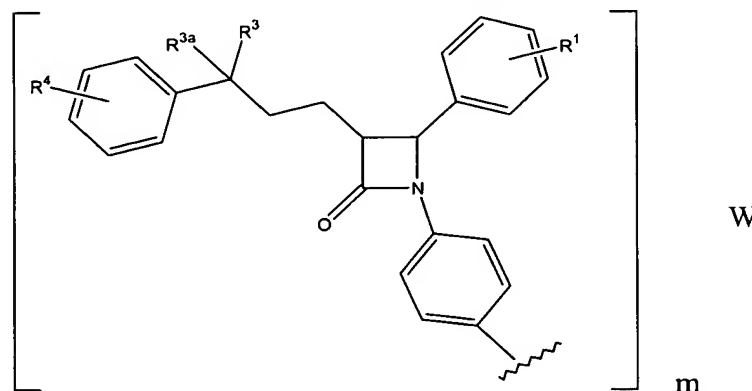
m is 0,1, 2 or 3 and $m = n$; and

A has a valency of n and is chosen from C_2 to C_{20} hydrocarbon, substituted alkyl of 2 to 20 carbons, perfluoroalkyl of 2 to 20 carbons, substituted aryl, polyaryl of 3 to 20 aryl groups, substituted arylalkyl, oxaalkyl of four to fifty carbons, azaalkyl of four to fifty carbons, thiaalkyl of four to fifty carbons, a residue of an oligopeptide of two to twenty amino acids, a residue of a monosaccharide or of a polysaccharide of 2 to 100 saccharide residues; and, when Q^a and Q^b are -O(C=O)- or -NHCO-, A may additionally be methylene.

2. A compound according to claim 1 wherein $m = \text{zero}$ of formula:



3. A compound according to claim 1 wherein $m=n$ of formula:



4. A compound according to any of claims 1-3 wherein n is 3 and W is trivalent.

5. A compound according to claim 4 wherein

Q^a , Q^b and Q^c are independently chosen from $-O-$, $-CH_2O-$, $-OCH_2CONH-$, $-OCH_2COO-$, $-(C=O)O-$, and $-NHCOO-$; and

A is a polysaccharide of 2 to 20 saccharide residues, a branched oxaalkyl of four to fifty carbons or a monoazaalkyl of four to ten carbons.

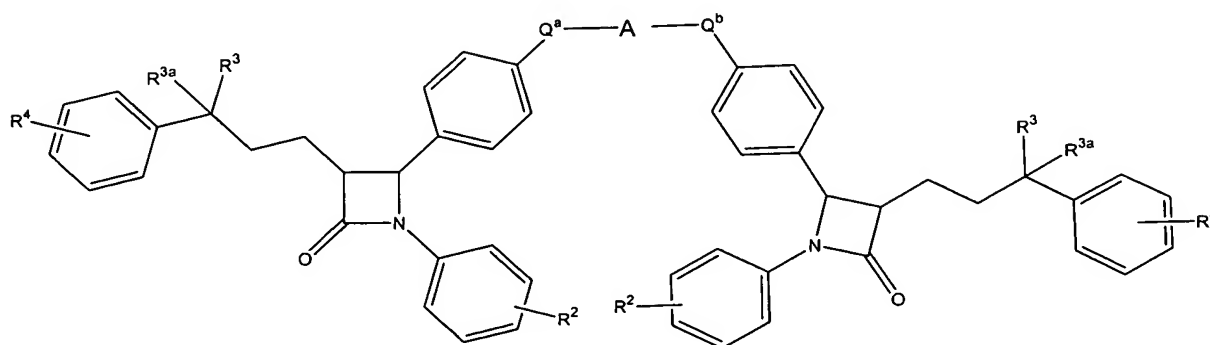
6. A compound according to claim 4 wherein

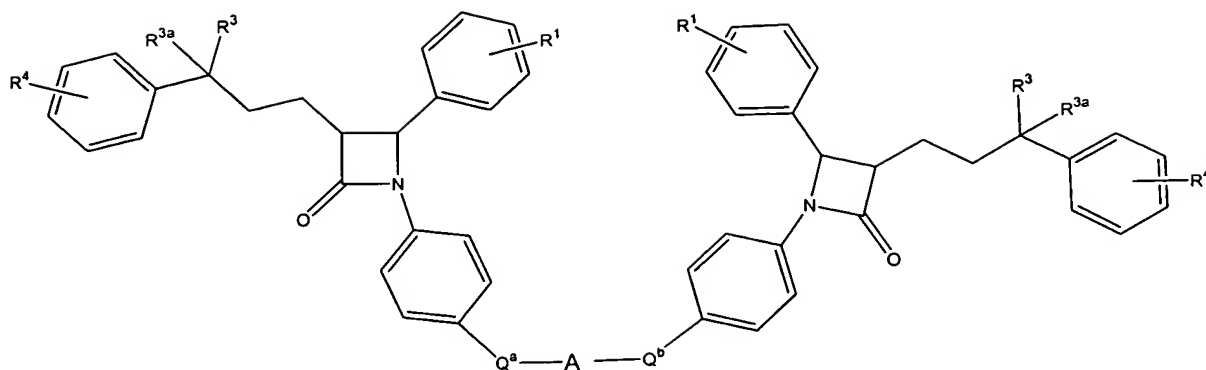
Q^a , Q^b and Q^c are independently chosen from $-CH_2O-$, $-CH_2NH-$, $-OCH_2CONH-$, $-OCH_2COO-$, $-CONH-$, $-NHCO-$, $-O(C=O)-$, $-(C=O)O-$, $-NHCONH-$, $-OCONH-$ and $-NHCOO-$;

and

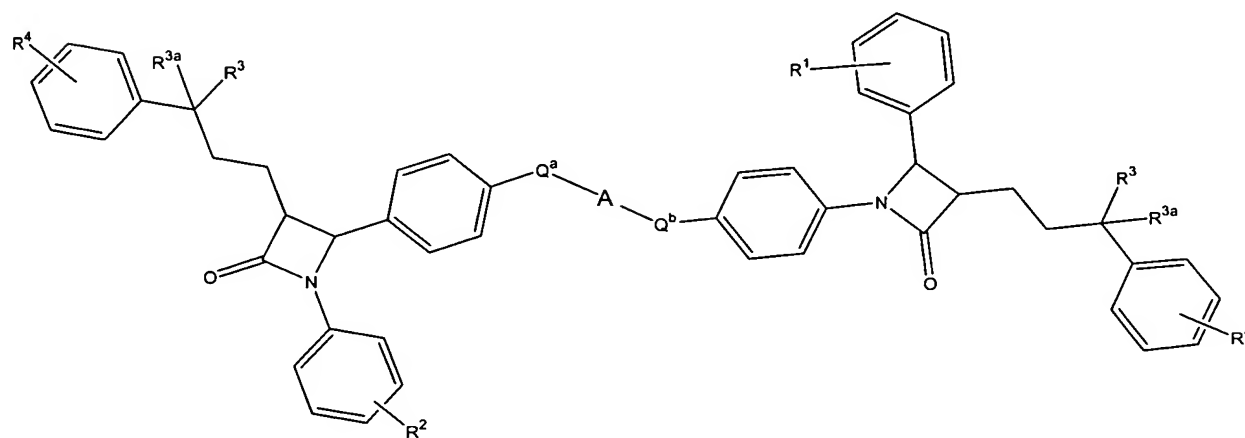
A is an oligopeptide.

7. A compound according to any of claims 1-3 wherein n is 2 and W is divalent of formula:





OR



8. A compound according to claim 7 wherein

Q^a and Q^b are independently chosen from $-O-$, $-CH_2O-$, $-OCH_2CONH-$, $-OCH_2COO-$, $-(C=O)O-$, and $-NHCOO-$; and

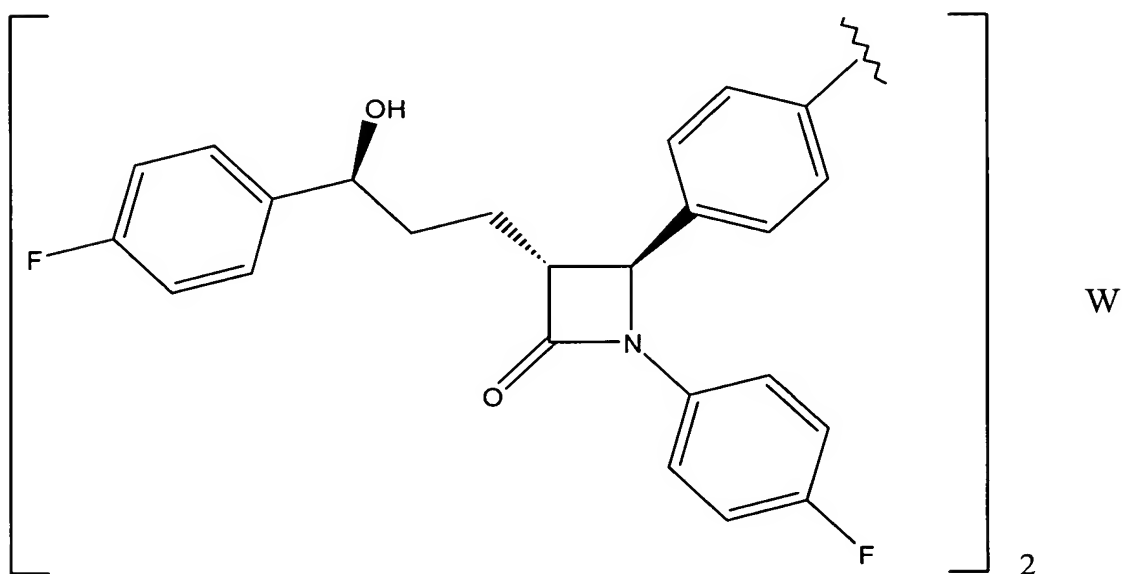
A is poly(oxyethylene) or a polysaccharide of 2 to 20 saccharide residues.

9. A compound according to claim 7 wherein

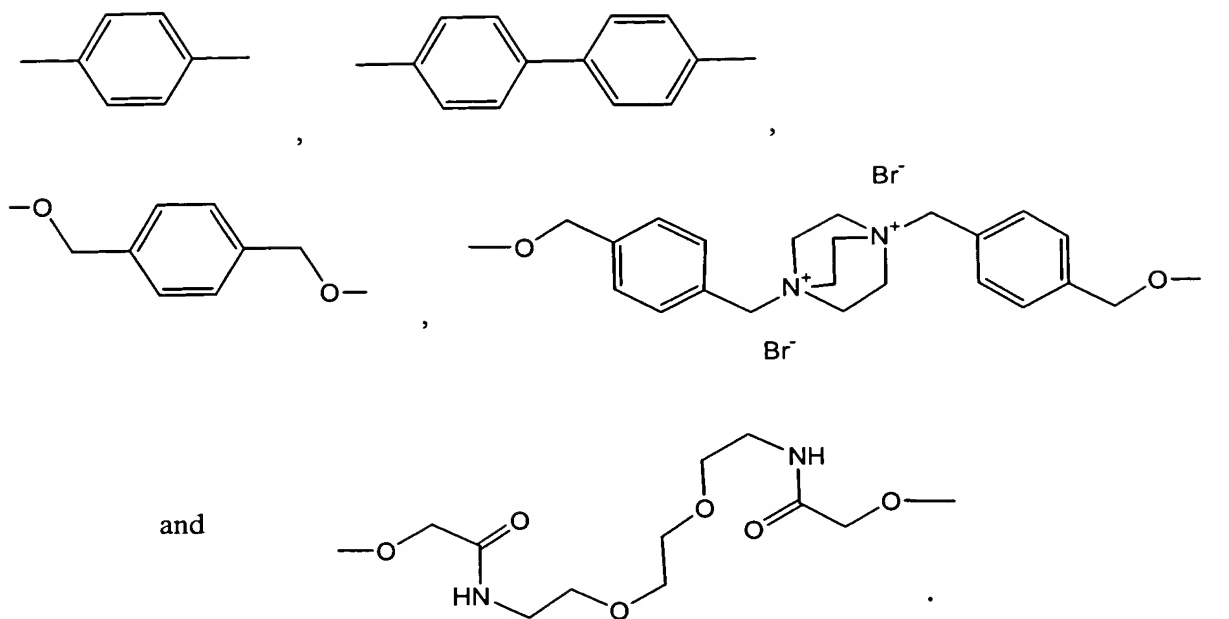
Q^a and Q^b are independently chosen $-CH_2O-$, $-CH_2NH-$, $-OCH_2CONH-$, $-OCH_2COO-$, $-CONH-$, $-NHCO-$, $-O(C=O)-$, $-(C=O)O-$, $-NHCONH-$, $-OCONH-$ and $-NHCOO-$; and

A is an oligopeptide.

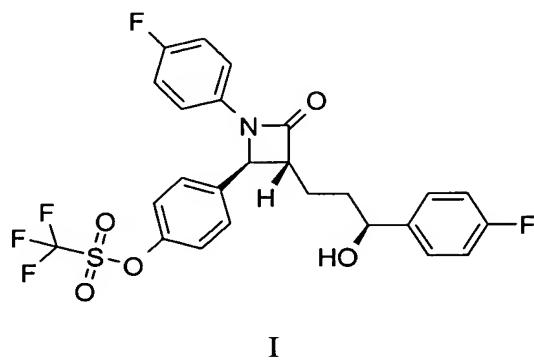
10. A compound according to any of claims 1-9 wherein
R¹ and R² are chosen from H, halogen, -OH, and methoxy;
R³ is -OH; and
R⁴ is fluoro.
11. A compound according to any of claims 1-9 wherein
R¹ and R² are chosen from a sugar, a glucuronide and a sugar carbamate;
R³ is -OH; and
R⁴ is fluoro.
12. A compound according to any of claims 1-10 of formula:

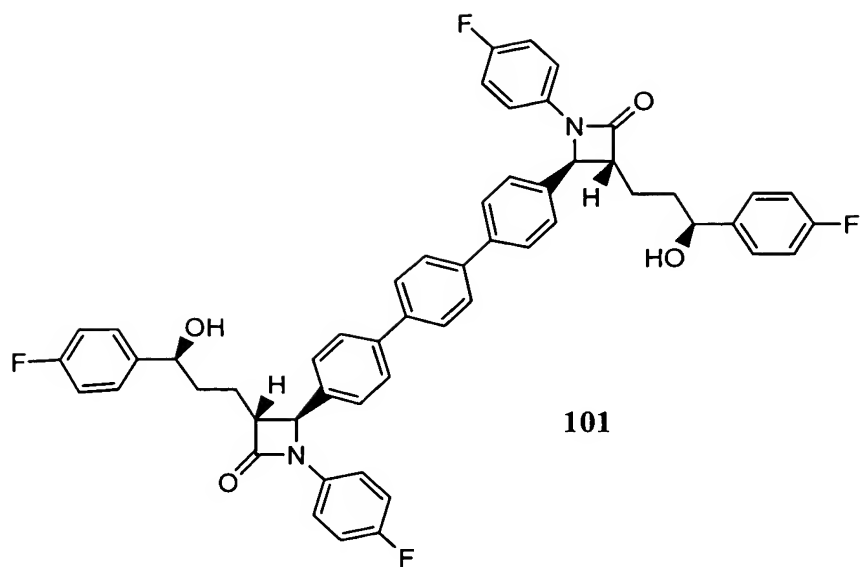


13. A compound according to claim 12 wherein W is chosen from -OCH₂CH=CHCH₂O- ,

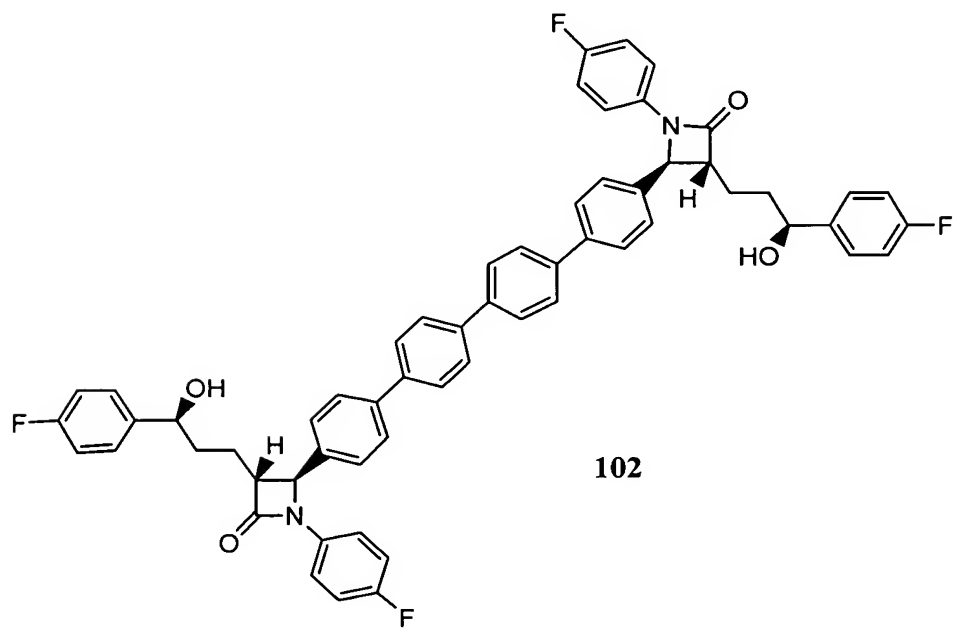


14. A compound according to claim 1 chosen from the group consisting of

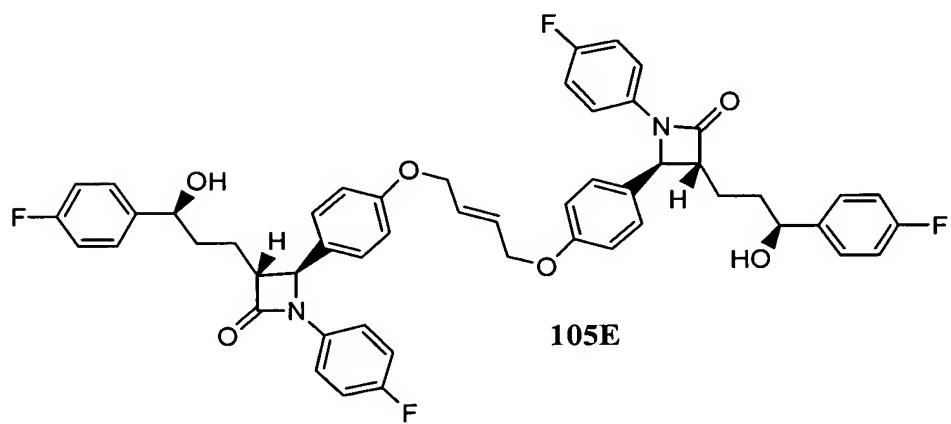
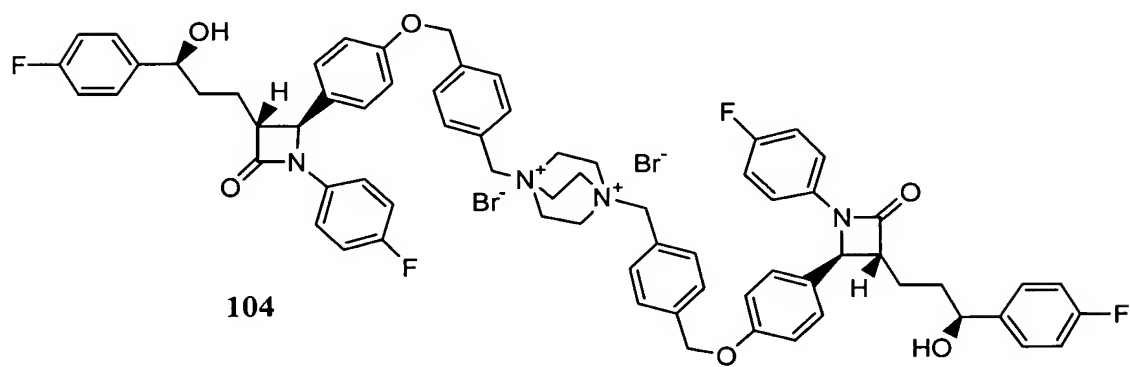
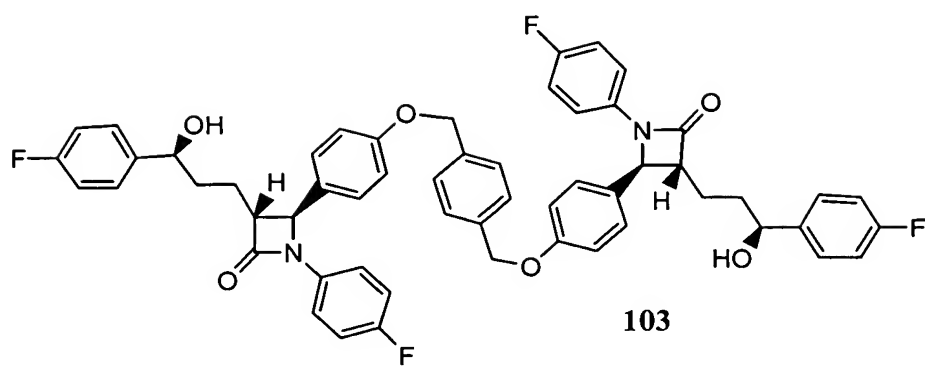


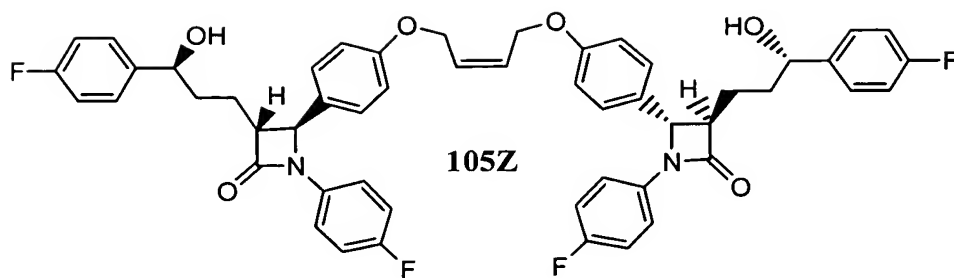


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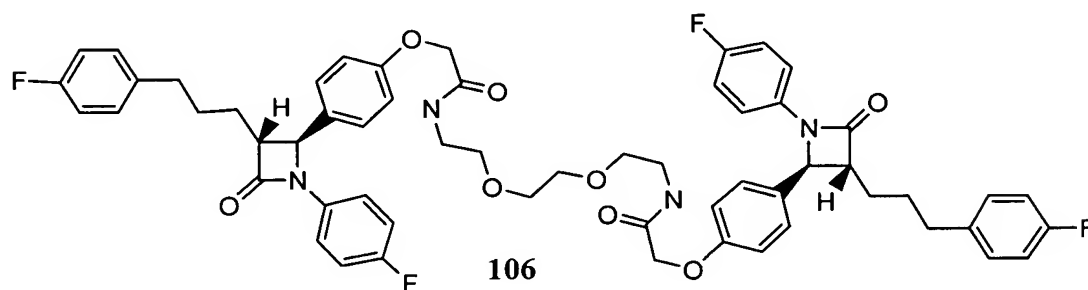


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and



15. A pharmaceutical formulation comprising a compound according to any of claims 1-14 and a pharmaceutically acceptable carrier.
16. A pharmaceutical formulation according to claim 15 additionally comprising an inhibitor of cholesterol biosynthesis.
17. A method for treating a disorder of lipid metabolism comprising administering a to a mammal a therapeutically effective amount of a compound according to any of claims 1-14.
18. A method according to claim 17, wherein said disorder of lipid metabolism is hyperlipidemia.
19. A method according to claim 17, wherein said disorder of lipid metabolism is arteriosclerosis.
20. A method for inhibiting the absorption of cholesterol from the intestine of a

mammal, which comprises administering an effective cholesterol-absorption-inhibiting amount of a compound according to any of claims 1-14 to the mammal.

21. A method for reducing the blood plasma or serum concentrations of LDL cholesterol in a mammal, which comprises administering an effective cholesterol reducing amount of a compound according to any of claims 1-14 to the mammal.

22. A method for reducing the concentrations of cholesterol and cholesterol ester in the blood plasma or serum of a mammal, which comprises administering an effective cholesterol and cholesterol ester reducing amount of a compound according to any of claims 1-14 to the mammal.

23. A method for increasing the fecal excretion of cholesterol in a mammal, which comprises administering an effective cholesterol fecal excretion increasing amount of a compound according to any of claims 1-14 to the mammal.

24. A method for the prophylaxis or treatment of a clinical condition in a mammal, for which a cholesterol uptake inhibitor is indicated, which comprises administering a therapeutically effective amount of a compound according to any of claims 1-14 to the mammal.

25. A method for reducing the incidence of coronary heart disease-related events in a mammal, which comprises administering an effective coronary heart disease-related events reducing amount of a compound according to any of claims 1-14 to the mammal.

26. A method for reducing the concentration of cholesterol in the blood plasma or serum of a mammal, which comprises administering an effective cholesterol reducing amount of a compound according to any of claims 1-14 to the mammal.

27. A method for reducing blood plasma or serum concentrations of C-reactive protein (CRP) in a mammal, which comprises administering a therapeutically effective

amount of a compound according to any of claims 1-14 to the mammal.

28. A method for reducing blood plasma or serum concentrations of triglycerides in a mammal, which comprises administering a therapeutically effective amount of a compound according to any of claims 1-14 to the mammal.

29. A method for increasing blood plasma or serum concentrations of HDL cholesterol of a mammal, which comprises administering a therapeutically effective amount of a compound according to any of claims 1-14 to the mammal.

30. A method for reducing blood plasma or serum concentrations of apolipoprotein B, in a mammal, which comprises administering a therapeutically effective amount of a compound according to any of claims 1-14 to the mammal.